**What Is Storybook?**

Storybook lets you:

* Develop and test UI components in isolation.
* Create a "living style guide" for your design system.
* Share interactive component docs with your team.

**Step 1: Install Storybook in Your Project**

**Step 2: Understand the Folder Structure**

After running storybook init, you’ll get the following structure:

.storybook/ # Storybook config files

└── main.js # Tells Storybook how to load stories

src/

└── Button.jsx # Your UI component

└── Button.stories.jsx # Story file for the component

**Step 3: Create a Component + Story**

**Example (React): Button.jsx**

import React from 'react';

export const Button = ({ label, onClick }) => (

<button onClick={onClick} className="btn">

{label}

</button>

);

**Add Button.stories.jsx**

import { Button } from './Button';

export default {

title: 'Components/Button',

component: Button,

};

export const Default = () => <Button label="Click me" />;

export const Danger = () => <Button label="Delete" onClick={() => alert('Deleted!')} />;

**Step 4: Run Storybook Locally**

npm run storybook

This opens Storybook in your browser at http://localhost:6006 where you’ll see your Button component and variants ("stories").

**Step 5: Customize and Expand**

You can:

* Add **args** for controls:

export const WithArgs = (args) => <Button {...args} />;

WithArgs.args = {

label: 'Hello',

};

* Document props via JSDoc or TypeScript
* Add addons like:
  + @storybook/addon-controls – for dynamic props
  + @storybook/addon-a11y – accessibility testing
  + @storybook/addon-interactions – for testing flows

**Deploy Storybook**

You can publish it to:

* GitHub Pages
* Vercel/Netlify
* Storybook Cloud

npm run build-storybook

This creates a static site in the storybook-static/ folder.

* Each \*.stories.js file is like a showcase of all your component’s use cases.
* Pair Storybook with tools like Chromatic, Jest, or Playwright for UI review and testing.
* Use it to enforce design consistency *across teams* (e.g., shared buttons, cards, modals).